Digital
Night Vision Monoculars

RANGER | RANGER PRO

5x42 | 5x42 MPR Kit **5x42**

Ranger 5x42

Ranger Pro 5x42

The Yukon Ranger series pioneered digital night vision and its renowned performance and reliability has made them perennial best sellers. The combination of digital technology and high optical magnification offers flexibility and extended viewing ranges.

As these models use a CCD sensor array instead of an image intensifier tube, they are not easily damaged by bright light sources, even daylight. A variable brightness/contrast control dial gives the freedom to adjust the LCD image screen to suit ambient light levels and personal preference.

The Ranger models have twin built-in IR illuminator's, a low power illuminator activates with power on while a near fully covert high power 940nm IR illuminator can be independently controlled for switching and intensity.

Power comes from six AA 1.5v Alkaline/Lithium batteries (not included), the 12v Car Adaptor or the UK Mains Adaptor (both supplied). All models are supplied with a spare battery cradle to allow a quick change should it be needed. Also, a video out socket allows connection to remote devices or to the Yukon MPR Mobile Player/Recorder (supplied with the Ranger 5x42 MPR Kit or available separately) to record what you are viewing. A ¼" Whitworth thread on the base allows tripod mounting or the attachment of optional accessories.

The durable sure-grip ABS plastic and rubber armoured main bodyshell is a stylish green and black on the Ranger 5x42 but all black on the Ranger Pro 5x42. The Pro model also features a more sensitive Sony CCD sensor array and together with the advanced Sum Light™ technology can extend viewing ranges up to 500m (depending on conditions).

A multi function LED indicates 'on' and 'low battery' status as appropriate and the smooth objective and ocular focus is positive and responsive for a crisp sharp image. Each unit is individually serial numbered and supplied with a 12v Car Adaptor, UK Mains Adaptor, spare battery cradle, video adaptor cable, a detachable neck strap and stylish padded carry case. The Ranger 5x42 MPR Kit also includes all cables and accessories that are supplied with the MPR Mobile Player/Recorder.

Key Specifications*

	28041 / 28041VK	28046
Product Name	Ranger 5x42 / Ranger 5x42 MPR Kit	Ranger Pro 5x42
Product Code	# 28041 / # 28041VK	# 28046
Generation	Digital	Digital
Magnification	5.0x	5.0x
Field of View	5°	5°
IR-Illuminator	Built-in	Built-in
Weight (excl. batteries)	650g	650g
Dimensions	170x116x26mm	170x116x26mm
Batteries	6x AA	6x AA

*Weights and dimensions are shown for non-kit versions.

Recommended Accessories

BRAND	PRODUCT NAME	PRODUCT CODE	PRODUCT DESCRIPTION
Yukon	**DSAS**	# 27021	Directional Sound Amplification System.
Yukon	**Lightweight Tripod**	# 29011	Small size and weight make this ideal as a travel tripod.
Yukon	**Car Window Mount**	# 29012	Allows you to fit a lightweight scope, binocular or night scope to a car window.
Yukon	**Universal Tripod Kit**	# 29013	Contains a Lightweight Tripod, a Car Window Mount and an arm/shoulder support.
Yukon	**MPR Player/Recorder**	# 27041	A compact and lightweight, electronic unit designed to record and playback the image produced by digital night vision devices equipped with a video out.

OTHER BRANDS THAT WE DISTRIBUTE HAVE ACCESSORIES THAT ARE COMPATIBLE WITH THIS PRODUCT - PLEASE CONTACT US.

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YUKON ADVANCED OPTICS

RANGER | RANGER PRO

5x42 | 5x42 MPR Kit **5x42**

Full Product Specification

Pictured Models: Ranger 5x42 & Ranger Pro 5x42

Optical

	28041 / 28041VK	28046
Magnification	5.0x	
Lens Diameter (mm)	42	
Lens Focal Length (mm)	50.3	
Relative Aperture	1:1.2	
Field of View (degrees)	5	
Field of View (m@100m)	8.8	
Min. Focusing Distance (m)	5	
Eye Relief (mm)	12	
Exit Pupil (mm)	4	
Dioptre Adjustment	± 4	
Focusing Type	Objective	
Resolution, Typical (lp/mm)	40	

Power Supply

	28041 / 28041VK	28046
Power Supply (v)	7.2	
Battery Type	6x AA	
Battery Life - without IR (hours)	≤12	
Battery Life - with IR (hours)	≤5	
External Power Supply	DC 6-12 V / 1000 mA	

Physical & Operational

	28041 / 28041VK	28046
Lens Material	Multi-Coated Glass	Multi-Coated Glass
Body Material	ABS Plastic	
Tripod Mount	1/4"	
Operating Temp (°C)	-20 to +35	
Level of Protection (acc. to IEC 60529)	IPX3	
Length (mm)	170	
Width (mm)	116	
Height (mm)	76	
Weight (excl. batteries) (g)	650	
Warranty Period (years)	3	

Built-in IR Illuminator

	28041 / 28041VK	28046
Emitter	LED	
IR Wavelength (nm)	940	
Equivalent IR Power (mW)	<400	

Electronic Components

	28041 / 28041VK	28046
Type of CCD Array, EIA	ICX-404AL, 1/3"	ICX-254AL, 1/3"
Rendering Set	K-530-230-1 (CCIR) / K-530-230 (EIA)	
Type of Board Communication	ПК-530-230	
Camera Resolution (EIA)	510x492	
Min/Max Working Illuminance (lux)	0.01-30000	0.00003-30000
Display Type	Kopin KCD-QDNF-BA	
Display Resolution	320x240	
Display Diagonal (inches)	0.24	
Magnification Ratio	1x	
Video Out	Yes	
Pin Type of Video Input / Output	3.5mm 3-pin jack	

PACKAGING SPECIFICATIONS			
	28041	28041K	28046
Type	Colour Printed Box	Colour Printed Box	Colour Printed Box
Size	177x299x105mm	238x240x103mm	177x299x105mm
Weight	1.25kg	1.67kg	1.26kg
Contents	Ranger 5x42, Lens/IR Caps, Carrying Case, Neck Strap, Extra Battery Container, UK Mains Adaptor, Output Video Cable, Lens Cloth, Car Adaptor & User Manual	Ranger 5x42, Lens/IR Caps, MPR Player/Recorder, Carrying Case, Neck Strap, Extra Battery Container, UK Mains Adaptor, Output Video Cable, Lens Cloth, Car Adaptor & User Manual	Ranger Pro, Lens/IR Caps, Carrying Case, Neck Strap, Extra Battery Container, UK Mains Adaptor, Output Video Cable, Lens Cloth, Car Adaptor & User Manual
EAN 13 Barcode	4810471002122	4810471002931	4810471003051

Specifications are provided by the manufacturer. The manufacturer reserves the right to change specifications at any time without prior notice. E&OE.

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